

OPTIMIZED DATABASE TECHNIQUE
TO ENABLE FASTER DATA SYNCHRONIZATION

ABSTRACT OF THE INVENTION

5 Method and system that enables faster data synchronization between
different databases. In one embodiment, a method for synchronizing data
records between databases is provided. Initially, a first database is designated
as a source database and a second database as a target database. The
modification flag of a first data record in the source database is examined. If the
10 first modification flag is set, the first data record is propagated to the target
database. On the other hand, if the first modification flag is not set, a first
modification count of the first data record is compared with a second
modification count of a corresponding data record in the target database. In this
embodiment, each of the modification counts is a value indicating how many
15 times the respective data record has been modified. If it is determined that the
first modification count has a higher value than the second modification count,
the corresponding data record is updated according to the first data record.
Importantly, the method of this embodiment can be carried out as described
without comparing the raw data of the data records. As such, this embodiment
20 of the present invention advantageously eliminates the record-by-record
comparison that is inherent in the prior art synchronization process and the
inconvenience associated therewith and provides an efficient data
synchronization technique that can be beneficially utilized in numerous
applications.

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